



# KARO ECHO Newsletter

## KARO ECHO

Serving the communities  
of El Cerrito and  
Kensington, California

**Web:** [www.karoecho.net](http://www.karoecho.net)

**Facebook:**  
[KARO ECHO facebook](#)

**Email:** [info@karoecho.net](mailto:info@karoecho.net)

## Important Frequencies

KE Primary: 146.415 MHz  
Weekly Net, Thurs. 1900

KE Secondary: 146.475 MHz

4Cs Repeater: 145.110 MHz  
(TX down 600 with PL 82.5)

## Monthly Meetings

In-person meetings

2<sup>nd</sup> Monday of each month  
7:00 pm

**(online via Zoom for now)**

Arlington Park Clubhouse,  
1120 Arlington Blvd,  
El Cerrito, CA

The next meetings are:

Aug 10<sup>th</sup>, 2020

Sept 14<sup>th</sup>, 2020

Meeting minutes are on  
the website in the past  
events page.

## What's New

### KARO ECHO Monthly Meeting, August 10th, 1900 — **ONLINE VIA ZOOM**

Because the city clubhouse location remains closed to public meetings, the monthly KARO ECHO meeting will once again be held using the Zoom online meeting app, at the usual time, 1900, Monday August 10th. Look for the link to join in a KARO ECHO email from Howdy KE6BEE. The main training portion of the agenda will be a presentation on message center management by Don NI6A. Other agenda topics include: elmering, neighborhood nets, and planning upcoming radio exercises.

### CERT Richmond Presentation Neighborfest, Aug 12th, 1830

Learn some amazing strategies to bring your community together around disaster preparedness and resilience. Online virtual presentation by Daniel Homsey of San Francisco's Neighborfest program using Zoom, 6:30-8:30pm on Aug 12th. This is meant for all community members who are interested in coming together and creating community and building resilience. [See flyer.](#)  
[Zoom link for meeting.](#)

### Introduction to Radio Class for New Operators, Aug 19th, 1900

On Wednesday, August 19th, from 7-8:30 p.m. David Swanson and Diane Richwine will present an FRS/GMRS Neighborhood Emergency Radio class on Zoom. Please let anyone you know who might be interested in the opportunity to learn about two-way radios, so they can be prepared to communicate with neighbors and response team members in the event of an emergency. The class will cover the use walkie-talkie (FRS) radios, as well as radio protocol and procedures after an earthquake or other disaster. Contact Diane [diane.richwine@gmail.com](mailto:diane.richwine@gmail.com) for the Zoom meeting link.

### New Elmering Online Resource

A new online elmering resource has been established, the [elmer@karoecho.net](mailto:elmer@karoecho.net) email and google group. Anyone can email this address with a technical question about ham radio or emergency communications procedure. Or, just ask how to get started. Knowledgeable KARO ECHO members will provide answers and discussion. The emails can be browsed as a later resource by using the google group web interface.

## LOCAL NETS

### KARO ECHO NET

146.415 MHz Simplex

Thursday eve, immediately after the West Contra Costa RACES Net, but never before 1900 hours local time.

### West Contra County ACS/RACES Net

145.110 MHz repeater

(TX down 600 with PL 82.5)

Thursday: 1845 local time

### Contra Costa County HF EmComm/RACES Net

3893 KHz

Thursday: 1835 local time

### American Red Cross of the Bay Area (ARCBA)

WW6BAY Repeater

443.975 MHz

TX +5 MHz, PL 100 Hz

Wednesday: 2000 local time

## BOARD OFFICERS

President: Hal KK6NDF

Treasurer: Larry KK6GIO

Secretary: Natalie KM6UCF

Outreach Manager:

Annette, KJ6SWK

Emergency Coordinator:

(also newsletter and net coordinator)

Howdy KE6BEE

Webmaster: Rob K6RJM

## What's New *(continued)*

### Neighborhood nets and Communication Hub Activities

The first Wednesday of the month has a lot of radio activity in the area.

Karen, KK6ZPM, Jay, KJ6WSS and Edward, KM6UBY run an excellent **multi-community net out of Richmond at 11 am on the first Wednesday of the month** on FRS/GRMS Ch. 15 simplex (462.550). Participation has been high and wide with 25+, from Richmond, El Sobrante, El Cerrito, Berkeley, Oakland, and Kensington.

Other, nets have been establish on the evening of the first Wed. of the month:

**East Richmond Heights**, ham operators check-in at 1845 on Walt's WA6DUR repeater 442.150 +5 offset and PL tone 107.2Hz. August check-ins: 6

**EC4 (central El Cerrito Hills)** CERT Net, Ch. 2 simplex (462.5875), at 1845. led by: Rob K6RJM

**EC9 (north El Cerrito Hills)** CERT Net, Ch. 15 simplex (462.550), at 1900. 14 check ins, led by: Don NI6A, Mike KM6CXI

**East Richmond Heights, Ready-2-React Net**, Ch. 7 simplex (462.7125), at 1930. 10-13 check-ins (for Aug-July), led by: Diane KK6RED, David KJ6AAT

**Richmond simulated EOC net**, first Thursdays at 1030, on three simplex frequencies in this order: 147.450, 441.000, 223.400

While some of these are nominally "neighborhood nets" others are always welcome to monitor and check in.

Start additional neighborhood nets to grow this activity. As new operators express interest, KARO ECHO and others in the area will arrange training to get them up to speed.

Our collective vision is that eventually every neighborhood will have access to reliable communication during disasters when conventional comms are down through a linked FRS, GMRS, and Ham radio nets (local to regional).

### Welcome New Hams

New El Cerrito licenses issued: none in past month

New Kensington licenses issued: none in past month

### **Important! - Membership Renewals were due at the beginning of the year**

It is never too late to renew your KARO ECHO membership dues, if you haven't already renewed for this calendar year. You can pay Treasurer Larry KK6GIO (check made out to KARO ECHO). Mail to P.O. Box 2025, El Cerrito, CA, 94530-3651. \$30 for individual membership, or \$40 for family membership.

## Activities

### Weekly Net Control Rotation

Thanks go out to the volunteer stations who have been taking turns as Net Control Stations (NCS) each Thursday. This rotation has been working very well and everyone has been doing a great job. The regular NCS roster has 9 operators. Larry KK6GIO will be stepping down from the regular rotation. Thank you Larry for the great job as net control. There are opportunities for others to fill in. Please give it a try. [Download the new Net Script for NCS operators.](#)

Below are the current scheduled dates for each operator. The [KARO ECHO google calendar](#) also has these assignments and can be found at the bottom of the events page. Add to your electronic calendar By pressing the "+GoogleCalendar" button in the lower right.

Net control is a skill that many operators should have and regularly practice. Please contact Howdy [ke6bee@arrl.net](mailto:ke6bee@arrl.net) if you are interested in taking a net control assignment.

Callsign	Name	Assigned Dates (skipped: 7/4/2019, 11/28/2019)						
KE6BEE	Howdy Goudey	6/20/2019	8/29/2019	10/31/2019	1/9/2020	3/12/2020	5/14/2020	7/16/2020
KK6NDF	Hal Graboske	6/27/2019	9/5/2019	11/7/2019	1/16/2020	3/19/2020	5/21/2020	7/23/2020
KM6HBO	Jamuel Starkey	7/11/2019	9/12/2019	11/14/2019	1/23/2020	3/26/2020	5/28/2020	7/30/2020
		7/18/2019	9/19/2019	11/21/2019	1/30/2020	4/2/2020	6/4/2020	8/6/2020
K6RJM	Rob McNicholas	7/25/2019	9/26/2019	12/5/2019	2/6/2020	4/9/2020	6/11/2020	8/13/2020
KE6HCE	Armando Picciotto	8/1/2019	10/3/2019	12/12/2019	2/13/2020	4/16/2020	6/18/2020	8/20/2020
NI6A	Don Simon	8/8/2019	10/10/2019	12/19/2019	2/20/2020	4/23/2020	6/25/2020	8/27/2020
KM6TCB	Dave Roth	8/15/2019	10/17/2019	12/26/2019	2/27/2020	4/30/2020	7/2/2020	9/3/2020
KK6ZPM	Karen Fenton-Leong	8/22/2019	10/24/2019	1/2/2020	3/5/2020	5/7/2020	7/9/2020	9/10/2020

### Thursday Net Training Exercises

Following the net check-ins every Thursday at 1900 on 146.415, KARO ECHO usually runs a training exercise to learn and practice skills that are important for successful disaster communications.

[A list of potential training exercises](#) is posted and maintained on the training page of the website.

Our weekly net check-ins counts for 2020 are up strongly. We now regularly get 20+ check-ins. In past years we averaged 14-15/week. Overall, it is great to see that more operators are active. Thanks for your participation. Keep it up!

---

## About KARO ECHO

---

KARO ECHO is the name of the Kensington Amateur Radio Operators and the El Cerrito Ham Operators mutual benefit association, an all-volunteer non-profit group of amateur radio operators providing auxiliary communications for the cities of Kensington and El Cerrito in the event of a disaster. KARO ECHO works with CERT (Community Emergency Response Teams) in Kensington and El Cerrito, but is not an official part of the CERT program.

Monthly in-person meetings of KARO ECHO are on the 2nd Monday of each month at 7:00 pm at the Arlington Park Clubhouse, 1120 Arlington Blvd, El Cerrito, CA. The next meetings are:

- ♦ Aug 10<sup>th</sup>, 2020
- ♦ Sept 14<sup>th</sup>, 2020

Yearly membership dues are \$30/year for individuals, \$40/year for a family membership. Payments can be given to the Treasurer at monthly meetings or mailed to the address below. Participation is welcome independent of paid membership, but only licensed amateur radio operators who are dues paying KARO ECHO members will be allowed to vote on KARO ECHO business. Dues cover our 510c3 registration, post office box, web page, station operating manuals and more. Your input on useful expenditures to aid emergency communications is welcome.

Mail to: KARO ECHO, PO Box 2025, 6324 Fairmont Ave, El Cerrito, CA 94530-3651

Please see our website for more information: [www.karoecho.net](http://www.karoecho.net)

You can contact the KARO ECHO board by email: [info@karoecho.net](mailto:info@karoecho.net)

### KARO ECHO Facebook

The [KARO ECHO Group on Facebook](#) has a lot of good information, more than is contained on our website. There is a whole wide world of emergency communications information at <https://www.facebook.com/groups/1451216838315743/> Check it out and be inspired of what we can do to help disaster victims in our community.

### Weekly Training Net

The Karo-Echo Weekly Training Net meets every Thursday evening immediately after the West Co Co County RACES/ACS Net; but not before 1900 on 146.415 MHz Simplex. Details at <https://www.karoecho.net/events>

### KARO-ECHO Frequencies

The KARO ECHO primary frequency is 146.415 MHz simplex. Our secondary frequency is 146.475 MHz simplex, a 60 KHz spread between operating frequencies reduces adjacent frequency interference.

### Newsletter Content Wanted

Any input on content you'd like to propose for inclusion in the KARO ECHO newsletter can be sent to Howdy [ke6bee@arrl.net](mailto:ke6bee@arrl.net) We welcome all ideas for content including announcements, events, etc.

---

## Outreach, Education and Licensing

---

### Training for Beginning Operators

Thanks to Jay KJ6WSS, Edward KM6UBY and Karen KK6ZPM for their May 23rd introductory radio class, with emphasis on the GMRS radio BTECH-V1. [A recording of the class and other resources are available here.](#)

### Net Control Operator Training

Diane KK6RED, David KJ6AAT and Howdy KE6BEE taught an Apr 4th net control class for C8 the county wide CERT organization. There was a great reception to this class across the county and we inspired many groups to expand the scope of their net trainings. [The class recording is available here.](#)

### EMCOMM related videos

See the CERT SET Youtube video link

<https://www.youtube.com/watch?v=66DdgGLIn4c&list=PLROOaUIKdrEgSID1bQJZojW3PzfURoEY-&index=144&t=0s>

Post Camp Fire GMRS organization

[https://www.youtube.com/watch?time\\_continue=220&v=aZiSC4sgKYw&feature=emb\\_logo](https://www.youtube.com/watch?time_continue=220&v=aZiSC4sgKYw&feature=emb_logo)

### ELMERING

An online elmering forum can be accessed by emailing [elmer@karoecho.net](mailto:elmer@karoecho.net) or browsing the associated google group. More in-depth elmering/mentoring is available by request.

In the meanwhile, please check out the plethora of useful information at <https://www.karoecho.net> website.

### Encouragement to Monitor 146.415 and Explore Other Nets

During the current shelter in place, with time spent at home, it is a good opportunity to use your radio and monitor 146.415 (call out for others occasionally and make some casual contacts). This is especially important as the Red Flag fire hazard conditions and electrical grid Public Safety Power Shutoff (PSPS) season rolls around again this summer and fall. There are a lot of other nets around the bay area that you can reach. Expand your radio horizons. See the [KARO ECHO Coordination page](#) for a listing of some other nets to explore. You can just listen at first, or program your radio (if a repeater is used) and try transmitting as a guest check-in to see if you can make contact.

---

## KAROECHO.Net Website

---

Especially, check out the EVENTS Page ( <https://www.karoecho.net/events> ) and the WORKSTREAMS drop-down menu which will lead one to an extensive training page that provides online learning at your own pace. Everything from the very beginning to advanced EmComm operations is detailed. The RESOURCE page has many excellent outside links.

- ♦ If you are on Facebook, contribute to the KARO ECHO Facebook Group Page at <https://www.facebook.com/groups/1451216838315743/>
- ♦ If you haven't already filled out the JOIN form please do. Find it as a drop down menu under "Get Involved" See <https://www.karoecho.net/join>
- ♦ A follow-through novice primer has been put on the website for new hams once they have bought their radio and want to learn more. See: <https://drive.google.com/file/d/10J-569BRrx5adhA-hJGPeNITU6B9Yi6z/view>
- ♦ Also a new Dual-Band antenna primer for new hams who want to graduate from the rubber-duddy world is at [https://drive.google.com/file/d/1u\\_ozABBRYDJDACFJRTV\\_rxWF1WjCgW\\_I/view](https://drive.google.com/file/d/1u_ozABBRYDJDACFJRTV_rxWF1WjCgW_I/view)
- ♦ Note that the Tram 1480 gain dual band antenna is currently still available for \$51 (no tax and free shipping) on ebay or from Home Depot. That and an inexpensive speaker tripod is a dynamite combination for portable operation. This antenna is equivalent to the Diamond X-200a antenna which sells at HRO for \$125.00 before taxes and shipping.
- ♦ For newbies, please visit <https://www.karoecho.net/workstreams/training> and read the study materials. It is all there except for hands-on experience. Ask questions!
- ♦ Following the Thursday evening net check-in, there is often a training session and/or discussion.
- ♦ All recent KARO ECHO **Minutes will be found at our Past Events page** We are now including past Executive Board Minutes as well. [Newsletters are on the Documents Page.](#)

If you desire to be removed from this email list, please email [info@karoecho.net](mailto:info@karoecho.net)

---

## Other Resources

---

"ALERTWildfire" camera links in our area:

[Vollmer Peak cam](#)

[Nichol Knob cam](#)

[View real-time data from any weather station in the state.](#)

Public Safety Power Shutoff (PSPS) links: [PG&E PSPS slides](#) and a [recorded video of a recent presentation](#) about the coming PSPS season this fall.

[Eastbay Resilience Groups.io forum](#)